

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-019286**Date Inspected:** 12-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** ShangHai, China**CWI Name:** Sha Zhi**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Summary of Items Observed: On this date Caltrans OSM Quality Assurance(QA) Inspector, DJ Shin was present during the times noted above for observations relative to the work being performed.

Bay 14

This QA Inspector observed the following work in progress for Bay 14.

ZPMC was using the Shield Metal Arc Welding (SMAW) process.

ZPMC QC is identified as Zhang Lin.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).

Listed below are the locations that were identified by this QA inspector

Components: Segment 13AW

PCMK: SEG3013AA-077

Welder: 067183

Report: B-WR20128

WPS-345-SMAW-3G (3F)-FCM-Reapir-1

PCMK: SEG3013V-167

Welder: 066481

Report: B-WR20129

WPS-345-SMAW-2G (2F)-FCM-Reapir-1

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PCMK: SA 7512A Grillage
Welder: 066361,045246
Report: B-CWR2733
WPS-345-SMAW-1G (1F)-FCM-Reapir-1

Components: Segment 14W
PCMK: SEG3020E-044
Welder: 067611
Report: B-CWR2735
WPS-345-SMAW-3G (3F)-FCM-Reapir-1

PCMK: DP3172-036
Welder: 045133
WPS-B-T-2212-TC-U4b-FCM-1

This QA Inspector observed the following work in progress for Bay 14.
ZPMC was using the Flux Core Arc Welding (FCAW) process.
ZPMC QC is identified as Zhang Lin.
Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specifications (WPS). Listed below are the locations that were identified by this QA inspector.

Components: Segment 13AW
PCMK: DP3122A connection Plate
Welder: 207465
Report: B-WR16933
WPS-345-FCAW-1G (1F)-ESAB-Repair-1

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Shin,DJ	Quality Assurance Inspector
Reviewed By:	Riley,Ken	QA Reviewer
